

Signal #1 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006235.D\VWD1A.CH Vial:
 Signal #2 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006235.D\VWD1A.CH
 Acq On : 13-Aug-2014, 16:49 Operator: HNP
 Sample : PB78283BS Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Aug 13 18:55 2014 Quant Results File: HN071714.RES

Instrument :
 HPLC_N
 ClientSampleId :
 PB78283BS

Manual Integrations
 APPROVED

TEJASKUMAR
 8/14/2014 6:06:10 PM

Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN071714.M
 Title :
 Last Update : Wed Aug 13 15:37:46 2014
 Response via : Initial Calibration
 DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
 Signal #1 Phase : ZORBAX Extend-C18 Signal #2 Phase:
 Signal #1 Info : 4.6 X 100mm 3.5-M Signal #2 Info :

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Nitroaniline	1.46	609371	138.358 ug/L m
Target Compounds			
2) T HMX	0.95	562016	109.244 ug/L
3) T RDX	1.88	680167	121.501 ug/L m
4) T 1,3,5-Trinitrobenzene	3.00	1424969	129.086 ug/L
5) T 1,3-Dinitrobenzene	4.01	2248183	133.893 ng/ml
6) T 3,5-Dinitroaniline	4.44	2360195	175.142 ug/L
7) T Nitrobenzene	5.45	1277499	124.187 ug/L m
8) T Tetryl	7.52	692139	89.042 ug/L m
9) T 2,4,6-Trinitrotoluene	7.67	1596490	150.907 ug/L m
10) T 2-Amino-4,6-dinitrotoluene	8.28	1231849	108.053 ug/L m
11) T 4-Amino-2,6-dinitrotoluene	8.78	810559	116.956 ug/L m
12) T 2,4-Dinitrotoluene	9.62	1945112	122.738 ug/L m
13) T 2,6-Dinitrotoluene	10.14	1098731	128.800 ug/L m
14) T 2-Nitrotoluene	14.11	983301	142.893 ug/L m
15) T 4-Nitrotoluene	14.95	763105	137.592 ug/L m
16) T 3-Nitrotoluene	16.48	913102	127.781 ug/L m
17) T PETN	22.80	1222129	137.977 ug/L m

 Analyst Signature:_____ Analyst Name:_____ Date:_____

-----REASONS FOR MANUAL INTEGRATIONS-----

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____

___Peak Integrated by software incorrectly.Compound #:_____

___OTHER:_____Compound #:_____

(f)=RT Delta > 1/2 Window (m)=manual int.

HN006235.D HN071714.M

Fri Aug 15 18:12:31 2014

RPT1

Quantitation Report

Signal #1 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006235.D\VWD1A.CH Vial:
Signal #2 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006235.D\VWD1A.CH
Acq On : 13-Aug-2014, 16:49 Operator: HNP
Sample : PB78283BS Inst : G1314A
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Aug 13 18:55 2014 Quant Results File: HN071714.RES

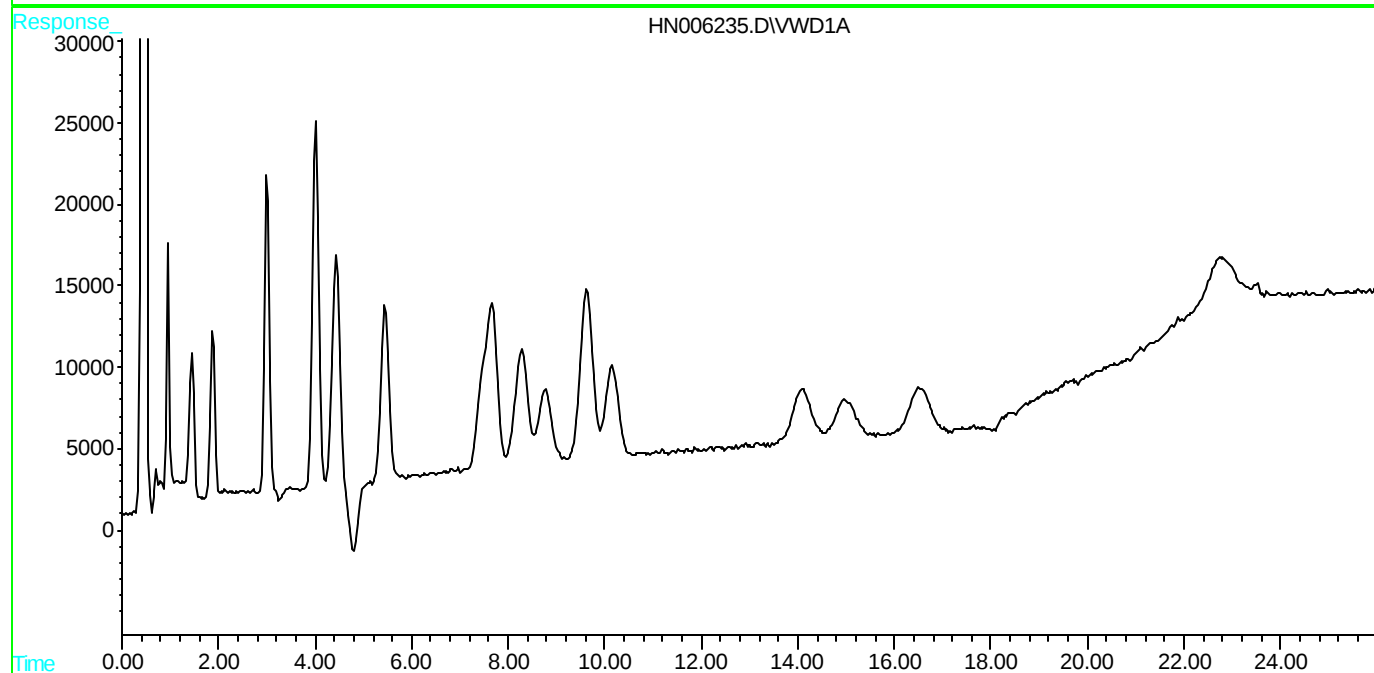
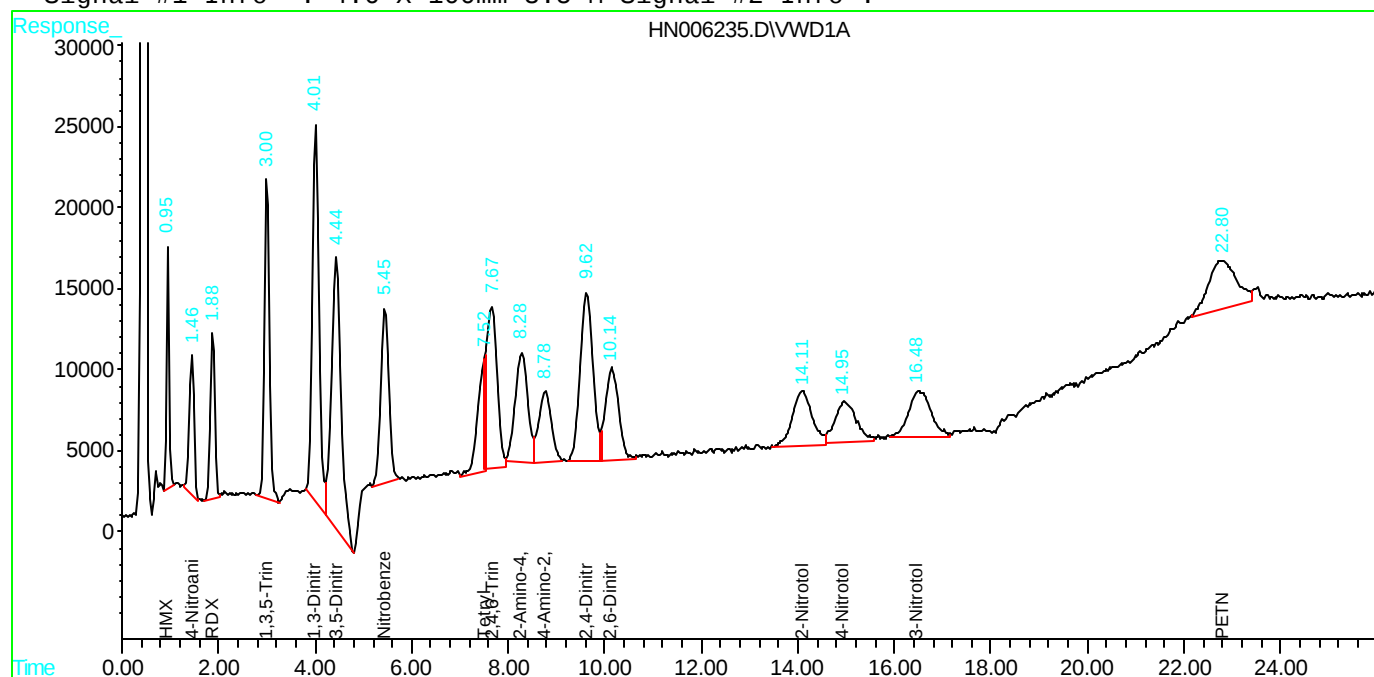
Instrument :
HPLC_N
ClientSampleId :
PB78283BS

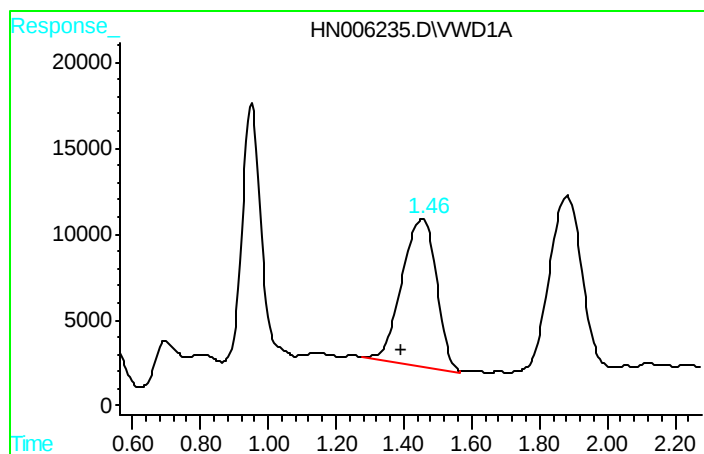
Manual Integrations
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Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN071714.M
Title :
Last Update : Wed Aug 13 15:37:46 2014
Response via : Multiple Level Calibration
DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
Signal #1 Phase : ZORBAX Extend-C18 Signal #2 Phase:
Signal #1 Info : 4.6 X 100mm 3.5-M Signal #2 Info :





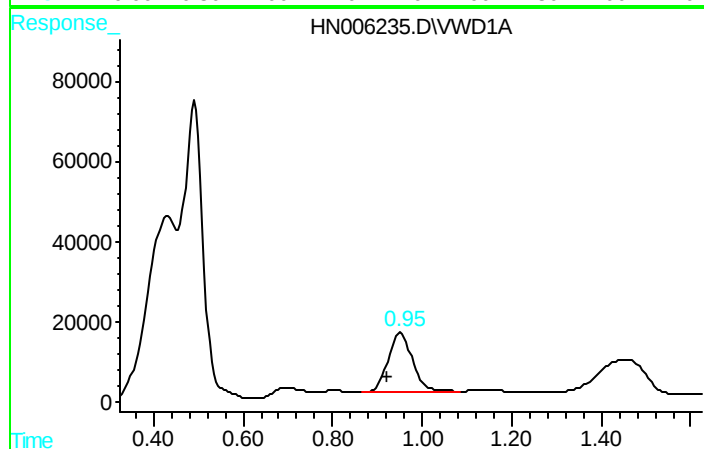
#1 4-Nitroaniline

R.T.: 1.455 min
 Delta R.T.: 0.065 min
 Response: 609371
 Conc: 138.36 ug/L m

Instrument :
 HPLC_N
 ClientSampleId :
 PB78283BS

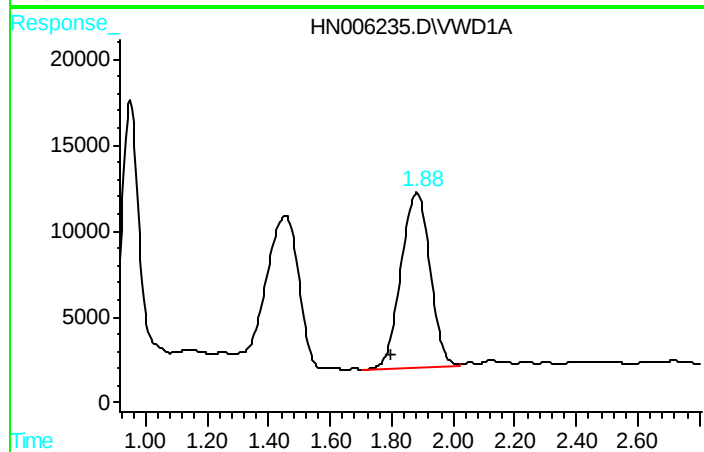
Manual Integrations
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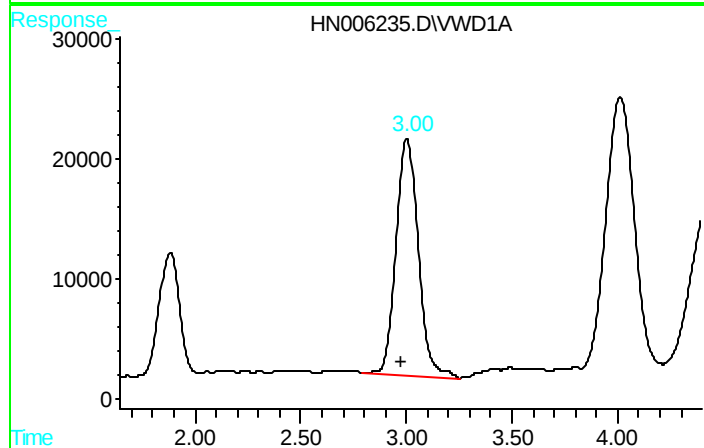
#2 HMX

R.T.: 0.952 min
 Delta R.T.: 0.032 min
 Response: 562016
 Conc: 109.24 ug/L



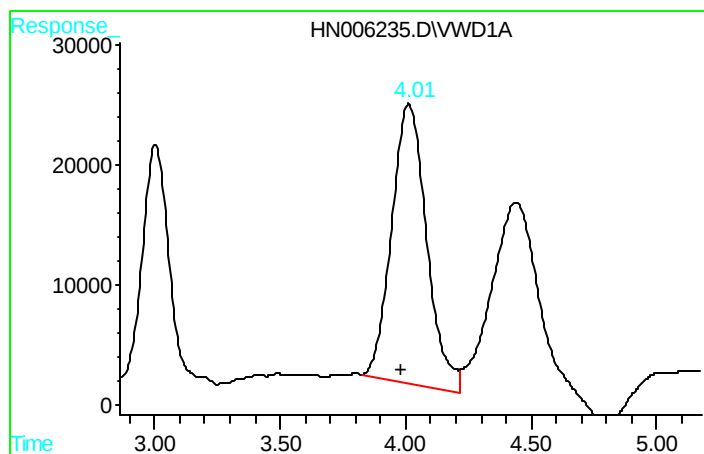
#3 RDX

R.T.: 1.881 min
 Delta R.T.: 0.081 min
 Response: 680167
 Conc: 121.50 ug/L m



#4 1,3,5-Trinitrobenzene

R.T.: 3.004 min
 Delta R.T.: 0.034 min
 Response: 1424969
 Conc: 129.09 ug/L



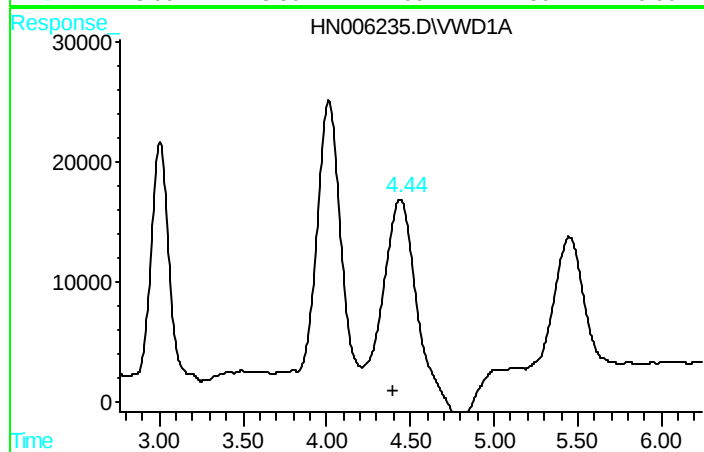
#5 1,3-Dinitrobenzene

R.T.: 4.013 min
Delta R.T.: 0.033 min
Response: 2248183
Conc: 133.89 ng/ml

Instrument :
HPLC_N
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PB78283BS

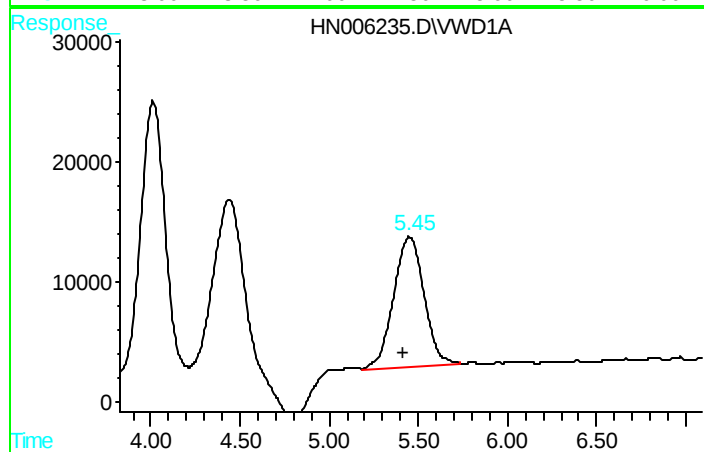
Manual Integrations
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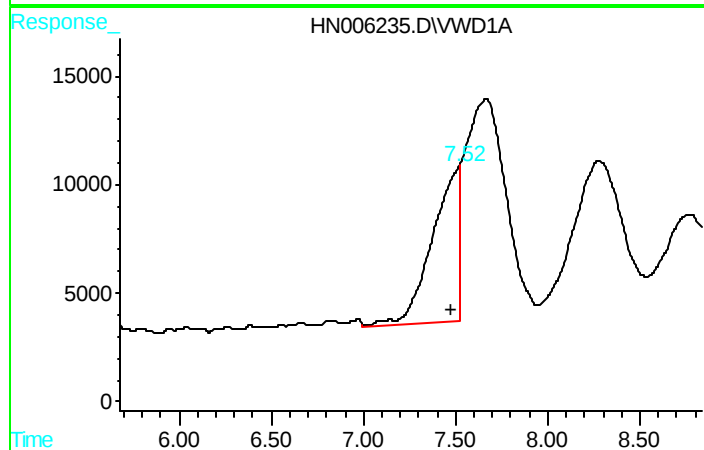
#6 3,5-Dinitroaniline

R.T.: 4.440 min
Delta R.T.: 0.040 min
Response: 2360195
Conc: 175.14 ug/L



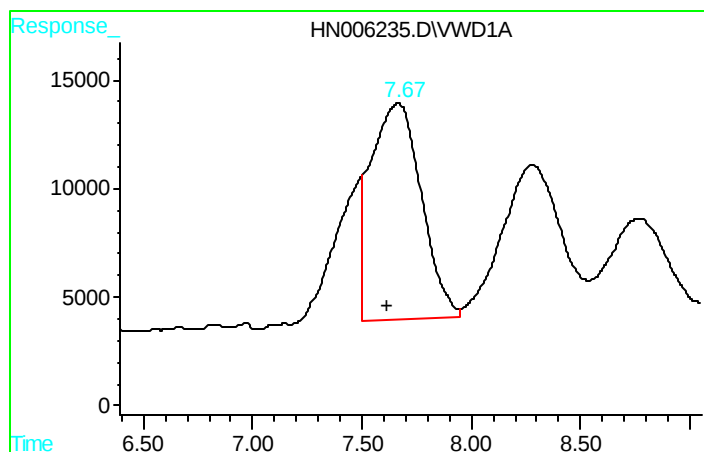
#7 Nitrobenzene

R.T.: 5.449 min
Delta R.T.: 0.039 min
Response: 1277499
Conc: 124.19 ug/L m



#8 Tetryl

R.T.: 7.518 min
Delta R.T.: 0.037 min
Response: 692139
Conc: 89.04 ug/L m



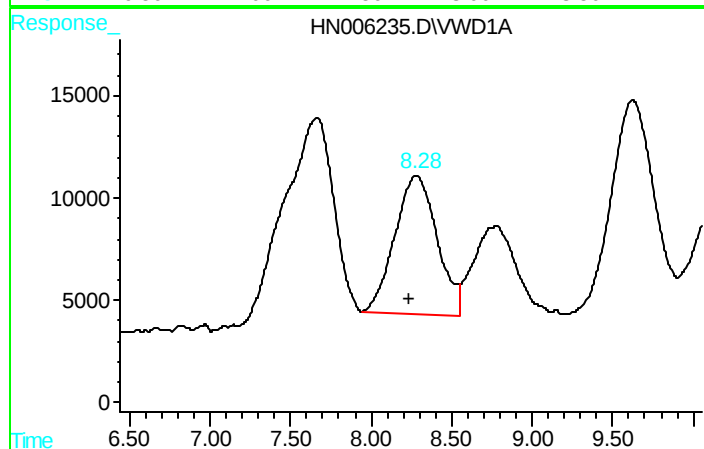
#9 2,4,6-Trinitrotoluene

R.T.: 7.666 min
Delta R.T.: 0.056 min
Response: 1596490
Conc: 150.91 ug/L m

Instrument :
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PB78283BS

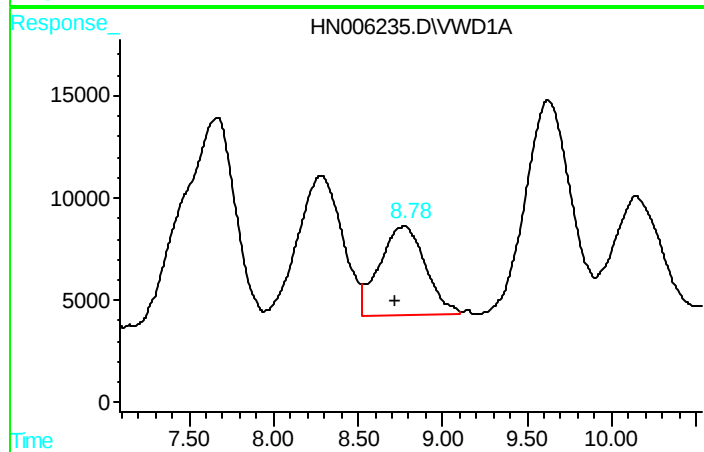
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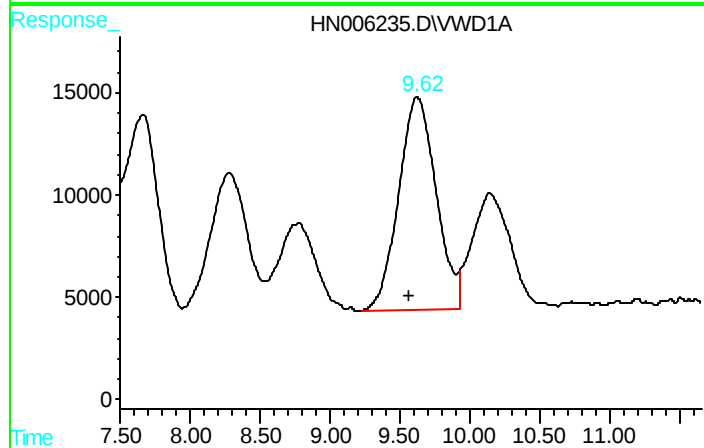
#10 2-Amino-4,6-dinitrotoluene

R.T.: 8.276 min
Delta R.T.: 0.046 min
Response: 1231849
Conc: 108.05 ug/L m



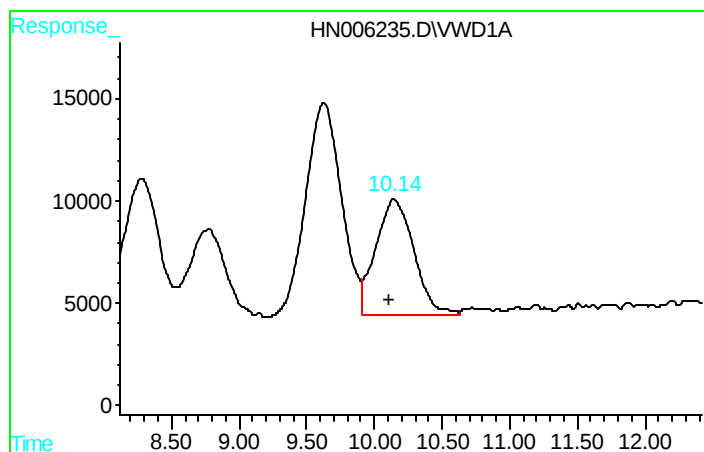
#11 4-Amino-2,6-dinitrotoluene

R.T.: 8.780 min
Delta R.T.: 0.060 min
Response: 810559
Conc: 116.96 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 9.618 min
Delta R.T.: 0.048 min
Response: 1945112
Conc: 122.74 ug/L m



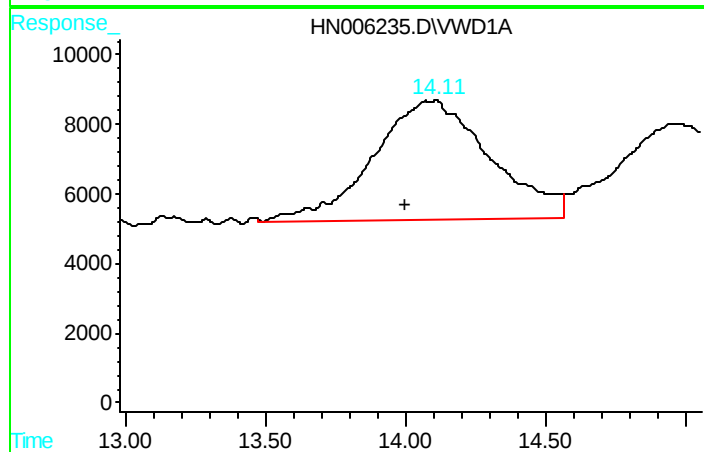
#13 2,6-Dinitrotoluene

R.T.: 10.140 min
Delta R.T.: 0.040 min
Response: 1098731
Conc: 128.80 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB78283BS

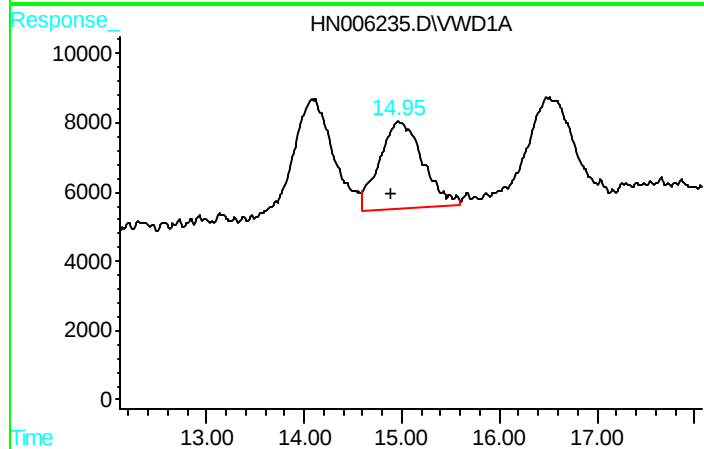
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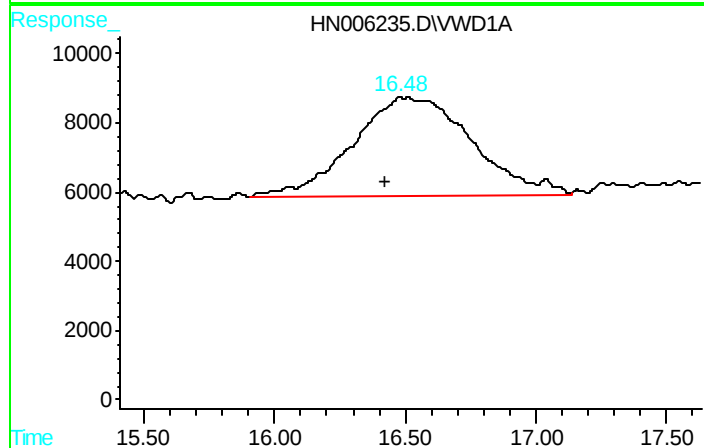
#14 2-Nitrotoluene

R.T.: 14.109 min
Delta R.T.: 0.109 min
Response: 983301
Conc: 142.89 ug/L m



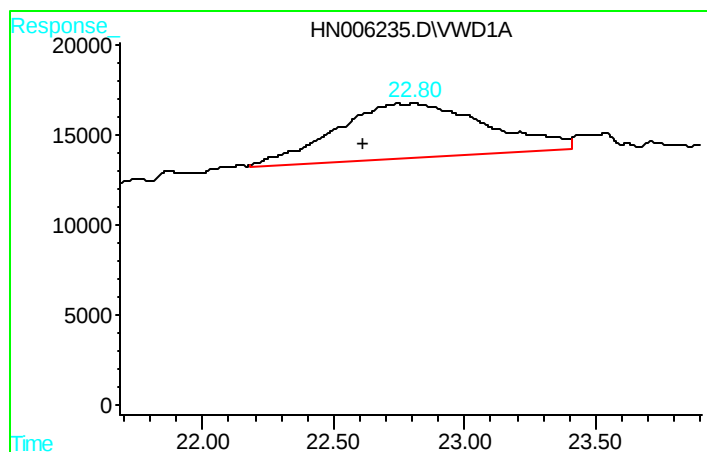
#15 4-Nitrotoluene

R.T.: 14.953 min
Delta R.T.: 0.073 min
Response: 763105
Conc: 137.59 ug/L m



#16 3-Nitrotoluene

R.T.: 16.478 min
Delta R.T.: 0.058 min
Response: 913102
Conc: 127.78 ug/L m



#17 PETN

R.T.: 22.805 min
Delta R.T.: 0.195 min
Response: 1222129
Conc: 137.98 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB78283BS

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